INDEX

BIOCHEMISTRY

Volume 32, Numbers 1-6, 1967

INDEX

UMI

BIOCHEMISTRY

Volume 32, Numbers 1-6, 1967

(A translation of Biokhimiya)

A

Abdumalikov, A. Kh. - 302, 713
Abrosimova-Amel'yanchik N.M. - 196
Afanas'eva, T.P. - 445
Agabekyan R.S. - 243
Agatova, A.I. - 915
Akhmedov, G.I. - 125
Aksel'rod V.D. - 196
Alimov, G.A. - 547
Alimova, E.K. - 171
Andreeva, A.P. - 802
Archakov, A.I. - 685
Arends, I.A. - 372
Artenie, V. - 104
Ashkinazi, M.S. - 830
Ashmarin, I.P. - 526
Avaeva S.M. - 167
Avdeeva, L.V. - 911
Avdeeva, T.A. - 157

B

Baev, A.A. - 885
Baranov, A.A. - 41
Baryshnikov, I.A. - 783
Baskova, I.P. - 689
Bekker, M.L. - 518
Belavtseva, E.M. - 547
Belen'kii D.M. - 990
Belikova M.P. - 445
Berdyshev, G.D. - 820
Berezin I.V. - 650, 857, 1017
Bergel'son, L.D. - 257, 853, 932, 1011
Bershtein, B.N. - 191
Biochenko, E.A. - 644
Biryuzova, V.I. - 429, 676
Blagoveshchenskii, V.A. - 272
Blinov, M.N. - 267
Blokhina, V.D. - 944
Blyumenfel'd, L.A. - 322
Bocharnikova, I.M. - 13, 99
Bogoyavlenskaya, N.V. - 947
Boikova, E.A. - 171
Boldyrev, A.A. - 495
Botvinik, M.M. - 167
Boyarskikh, G.V. - 820
Bozhko, G.V. - 388
Brestkin, A.P. - 1, 214, 833
Brik, I.L. - 1, 833
Bruskov, V.I. - 867
Bukhar, M.I. - 612
Burnasheva, S.A. - 222

C

Chelyadina, L.D. - 596
Chernikov, M.P. - 927
Chernyak, N.B. - 768
Chetverikov, D.A. - 561
Chulkova, T.M. - 20

D

Davydova, M.A. - 501
Debabov, V.G. - 141
Debov, S.S. - 620, 911
Dimotrov, G.A. - 130
Dmitrovskii, A.A. - 997
Dobrynina, O.V. - 505
Dolidze, I.A. - 830
Doman, N.G. - 365, 599
Doronina T.V. 1023
Dosta, G.A. - 472
Dranovskaya, E.A. - 24
Dubrovskaya, I.I. - 24
Dvorkin, V. Ya. - 561
Dyatlovitskaya, E.V. - 932, 1011

E

Egorova, T.P. - 294
El'chits, S.V. - 397
Elinov, N.P. - 279
Épshtein, S.F. - 377
Épshtein, Ya. A. - 416
Eremenko, V.V. - 302, 725, 906
Eremina G.V. - 997
Ermolaeva, N.V. - 639, 1052
Evseev, L.P. - 725, 906

F

Ferdman, D.L. - 377
Filippovich, Yu. B. - 202, 632
Fruentova, I.A. - 283

G

Gagel'gants, A.I. - 87
Galich, I.P. - 977
Gel'man, N.S. - 676
Gibadullina, A.R. - 76
Ginodman, L.M. - 182, 839, 969
Glazova, T.N. - 536
Gofman, Yu. Ya. - 567
Gofshtein, L.V. - 797
Golovkina, L.S. - 257
Golubeva, E.V. - 867
Gorenshtein, B.I. - 922
Gorkin, V.Z. - 421, 860
Gorn, L.É. - 263
Gorodetskii, S.I. - 251]
Goryachenkova, E.V. - 330
Goryukhina, T.A. - 616
Granikova, A.V. - 596
Granovskaya, M.L. - 596
Gromova, K.G. - 120
Grozdova, M.D. - 791
Guberniev, M.A. - 947
Gurinovich, G.P. - 339
Gurvich A.E. - 251
Guseva, A.R. - 847

H

Hjerten, S. - 478

I

Il'in, V.S. - 668
Il'in, G.S. - 672
Ivanov, I.I. - 783
Ivanova, L.A. 810
Ivanova, T.M. - 501

K

Kagan, Z.S. - 879, 1023, 1058
Kagramanova, K.A. - 510
Kalacheva, N.V. - 76
Kalacheva, V. Ya - 429
Kara-Murza, S.N. - 167
Karausheva, T.P. - 222
Kareva, I.I. - 879
Karpenko, N.B. - 214
Katrukha, S.P. - 665
Kaverzneva, E.D. - 334, 802, 964
Kesyanzhinov, V.V. - 588
Khaidarliu, S. Kh. - 555
Khasman, É.L. - 9
Khomutov, R.M. - 745
Kirshteine, B.É. - 429
Kiselev, L.L. - 607
Klimov, A.N. - 72, 186
Klunova, S.M. 202
Kobzeva, A.A. - 360
Kogan, É.M. - 720
Kolotilova, A.A. - 130
Komkova, A.I. - 526
Koroleva, E.I. - 900
Korotaev, G.K. - 820
Korshunova, V.S. - 814
Korzhuev, P.A. - 536
Kosourov, G.I. - 588
Kostycheva, L.I. - 429
Kovaleva, G.K. - 745
Kozlov, L.V. - 839, 969
Krasnokutskaya, D.M. - 421
Krasovskii, E.D. - 932
Kravchenko, N.A. - 510
Krendeleva, T.E. - 814
Kretovich, V.L. - 879
Kritskii, G.A. - 372
Kryushkin, A.A. - 351
Kudryashov, B.A. - 689
Kukhanova, M.K. - 607
Kulaev, I.S. - 207, 408, 445, 571, 757
Kurgul'tseva, L.I. - 87
Kuznetsov, A.A. - 306, 461
Kuznetzov, Yu.D. - 510
Kuznetsova, M.D. - 157
Kydar, M.M. - 365

L

Ladygina, M.E. - 1028
Lebedev, A.V. - 495
Leshchinskaya, I.B. - 76
Lestrovaya, N.N. - 612
Levitov, M.M. - 397
Likholetova, S.V. - 393
Lind, Kh.P. - 31
Lipkind, M.A. - 825
Lisenkova, L.L. - 599
Lisauskaite, A.É. - 514
Litvinova, V.N. - 186
Livshits, A.A. - 233
Logvinenko, E.M. - 48
Losev, A.P. - 339
Lovkova, M.Ya. - 672
Lukoyanova, M.A. - 676
Lutsenko, N.G. - 182
Luzikov, V.N. - 650, 857, 1017
Lytsov, V.N. - 985
Lyubimtseva, O.N. - 685

M

Maiorova, I.P. - 272
Makarov, K.S. - 37
Makhtyuk, M.D. - 41
Maksimov, V.I. - 81, 334, 694, 964
Maksimova, A.M. - 416
Manoilov, S.E. - 596
Manshelei, E.S. - 233
Mardashev, S.R. - 539, 620, 628, 725, 906
Matsuka, G. Kh. - 125
Matyashova I. - 1052
Mazin, A.L. - 313
Mel'gunov, V.I. - 757
Melik-Sarkisyan, S.S. - 157
Meshkova, N.P. - 491
Mil'man, L.S. - 344, 441
Miroshnichenko, T.P. - 125
Molchanova, R.T. - 561
Morozkin, A.D. - 401
Moshkovskii, Yu. Sh. - 985
Mukha, G.V. - 752

N

Nabutovskaya, L.M. - 233
Nagradova, N.K. - 514
Naumova, I.B. - 659
Navol'neva, I.N. - 111, 579
Nedelyaeva, M.I. - 288
Neklyudov, A.D. - 860
Nemchinskaya, V.L. - 708
Nikolaev. A. Ya. - 713, 725, 906
Nikolaev, Yu.V. - 372
Nikol'skaya, E.B. - 214
Nikol'skaya, G.V. - 927
Nikol'skaya. I. - 584
Nikol'shaya, T.I. - 894

O

Odintsova, M.S. - 867
Okanenko, A.S. - 191
Okorokov, L.A. - 571
Orekhovich, V.N. - 20, 182, 401, 839, 969
Osipov, V.I. - 81, 334, 964
Ostroumova, M.N. - 616
Ostrovskii, Yu.M. - 66, 472, 774, 922
Ovchinnikov, Yu.A. - 351

P

Pankova, G.A. - 233
Parin, A.V. - 607
Parshin, A.N. - 616
Paskhina, T.S. - 294, 435
Paseshnichenko, V.A. - 847
Pekhtereva, S.I. - 539
Petrova, A.N. - 360
Petrova, L.A. - 72
Petushkova, E.V. - 13, 99
Pisarenko, N.F. - 973
Pleskov, V.M. - 668
Pleskova, M.V. - 288
Poglazov, B.F. - 547, 588, 894
Pokrovskii, A.A. - 685
Polyakova, É.D. - 72
Porath, E. - 478
Prokazova, N.V. - 257
Pronina, E.V. - 421
Prozorovskii, V.N. - 628

R

Raikhman, L.M. - 322
Rakhimov, M.M. - 650, 857, 1017
Razumovskaya, N.I. - 668
Rebentish, B.A. - 141
Rebrov, L.B. - 620
Reingard, T.A. - 191
Remizov, A.L. - 72
Reznikova, M.B. - 60
Rodionova, I.V. - 958
Romakov, Yu.A. - 388
Romanova, L.F. - 944
Romantsev, E.F. - 944
Rozenfel'd, E.L. - 91, 145, 825, 990
Rozengart, E.V. - 728
Rozengart, V.I. - 728
Rozynov, B.V. - 351
Rubin, A.B. - 814
Rubin, B.A. - 501, 1028

UMI

Rubtsova, G.V. - 911
Rudakov, V.V. - 783
Rusak, É.N. - 41

S

Saks, V.A. - 857, 1017
Samorodova-Bianki, G. - 478
Sanina, O.L. - 377
Semina, L.A. - 539, 628
Sevast'yanova, G.A. - 452, 1038
Severin, E.S. - 745
Severin, S.E.] 104, 151, 900
Severina, I.S. - 700
Shabanova, I.A. - 952
Shabarova, Z.A. - 659
Shalina, N.M. - 584
Shaposhnikov, A.M. - 752
Shavlovskii, G.M. - 48
Shchegoleva, L.I. - 632
Shchennikov, V.A. - 853
Shcherbatyuk, L.I. - 330
Shemyakin, M.M. - 351
Sheremet'evskaya, T.N. - 700
Shipintsina, G.K. - 958
Shkarenkova, L.S. - 969
Shlyk, A.A. - 41
Shmakova, F.V. - 802
Shorosheva, T.G. - 947
Shutov, A.D. - 1006
Shvarts, V.S. - 135
Sidorova, E.V. - 251
Sidorova, N.D. - 596
Simakova, I.M. - 676
Sisakyan, N.M. - 157, 429
Skalka M. - 1052
Skolysheva, L.K. - 481
Skryabin, G.K. - 612
Skulachev, V.P. - 599
Smirnova, T.B. - 708
Smolin, A.N. - 452
Sokhina, A.M. - 628
Sokurova, E.N. - 936
Stan, E.Ya. - 927
Stepanenko, B.N. - 306, 461
Stepanov, V.M. - 487, 665
Strukova, S.M. - 689
Suvorov, N.N. - 860
Szymona, O. - 408

T

Tanyashin, V.I. - 76
Taranenko, A.G. - 783
Tatarskaya, R.I. - 196
Tat'yanenko, L.V. - 421, 860
Telepneva, V.I. - 151
Tereschenko, O. Ya. - 380
Tikhomirova-Sidorova, N.S. - 720
Tikhonenko, T.I. - 584
Tikhonova, G.V. - 599
Timofeeva, L.M. - 768
Timokhina, E.A. - 487
Todorov, I.N. - 233
Torbochkina, L.I. - 111, 579
Trapeznikova, S.S. - 435
Tseitlin, L.A. - 151
Tsvetkova, I.V. - 532, 825
Tsvetkova, N.N. - 491
Tsyperovich, A.S. - 977
Tubasova, I.A. - 985
Tukeeva M.I. - 1028
Turakulov, Ya. Kh. - 87

U

Uchitel', I.Ya. - 9
Udel'nova, T.M. - 644
Uryson, S.O. - 408
Ushakov, A.N. - 257
Uspenskaya, V.D. - 288
Ustyuzhanin, G.E. - 720
Uuskyula, L.S. - 467
Uzbekov, M.G. - 532

V

Vagabov, V.M. - 207
Vaintraub, I.A. - 135, 1006
Vanin, A.F. - 228
Vanyushin, B.F. - 313, 820
Vasil'chenko V.N. - 233
Vasil'eva E.S. - 233
Vaver, V.A. - 257, 853
Vdovina, L.V. - 745
Venkstern, T.V. - 885
Vidershain, G.Ya. - 145
Vinogradov A.D. - 1046
Vinogradova, E.I. - 351
Vitovskaya, G.A. - 279
Volkova, N.V. - 191
Volkova R.I. - 1032
Volkova V.I. - 1011
Voronina, E.A. - 330
Votrin, I.I. - 911
Vul'fson, P.L. - 481

Y

Yakhontov, L.N. - 421
Yakovlev, V.A. - 243
Yasnikov A.A. - 191
Yurovitskii, Yu.G. - 344, 441
Yusipova, N.A. - 91, 825

Z

Zaitseva, G.N. - 125
Zakharyan, R.A. - 885
Zakstel'skaya, L.Ya. - 825
Zalesskii, M.Z. - 539
Zaretskaya, M. Sh. - 659
Zavalishina, R.A. - 900
Zemlyanukhin, A.A. - 57
Zdrodovskaya, E.P. - 752
Zvyagintsev, V.I. - 57

INDEX

UMI

BIOCHEMISTRY
Volume 32, Numbers 1-6, 1967
(A translation of Biokhimiya)

CONTENTS

Volume 32, Number 1, Part 1 January-February, 1967

	Engl.	Russ.
Activating Effect of Tetramethylammonium Ions and Acetylcholine on Horse Serum Cholinesterase – A. P. Brestkin and I. L. Brik	1	3
Investigation of the Incorporation of C^{14}-Leucine into the Microsomal Fractions of Rabbit Liver and Spleen after Antigen Injection – I. Ya. Uchitel' and É. L. Khasman	9	13
Influence of Natural Imidazole Compounds on the Adenosinetriphosphatase Activity of Myosin – I. M. Bocharnikova and E. V. Petushkova	13	17
Preparation and Properties of Bovine, Monkey, and Rat Growth Hormones – T. M. Chulkova and V. N. Orekhovich	20	26
Composition of Specific Polysaccharides of a Brucella abortus Variant – I. I. Dubrovskaya and E. A. Dranovskaya	24	31
Isolation of a Myosin-Like Protein from Gastric Mucosa and a Study of Its ATPase Activity and Some Physicochemical Properties – Kh. P. Lind	31	38
Amino Acid Composition of Plasteins – K. S. Makarov	37	45
Selective Pheophytinization of New Chlorophyll Molecules in Euglena Cells – A. A. Shlyk, A. A. Baranov, M. D. Makhtyuk, and É. N. Rusak	41	50
Xanthine Catabolism in the Yeast Candida guilliermondii and Role of Metals in the Process – G. M. Shavlovskii and E. M. Logvinenko	48	59
Effect of Heteroauxin and Some Respiratory Inhibitors on the Content of Amino Acids in Sunflower Leaves – V. I. Zvyagintsev and A. A. Zemlyanukhin	57	69
Biological Activity of Depsipeptide Analogues of Glutathione and Ophthalmic Acid – M. B. Reznikova	60	73
Possible Role of the Thiazole Moiety of Thiamine during Binding of the Vitamin in the Tissues – Yu. M. Ostrovskii	66	80
Effect of Some Potential Antimetabolites of Mevalonic Acid on the Biosynthesis of Cholesterol in Rat Liver – A. N. Klimov, É. D. Polyakova, A. L. Remizov, and L. A. Petrova	72	88
Properties of Purified Serratia marcescens DNAase and Its Action on DNA – I. B. Leshchinskaya, V. I. Tanyashin, N. V. Kalacheva, and A. R. Gibadullina	76	93

Volume 32, Number 1, Part 2 January-February, 1967

	Engl.	Russ.
Study of the Ability of γ-Irradiated Lysozyme to Undergo Aggregation Using Solubility and Gel-Filtration Methods – V. I. Maksimov and V. I. Osipov	81	98
Determining Inorganic Phosphorus in Biological Materials – Ya. Kh. Turakulov, L. I. Kurgul'tseva, and A. I. Gagel'gants	87	106
Composition and Properties of the Tamm-Horsfall Glycoprotein – E. L. Rozenfel'd and N. A. Yusipova	91	111
Effect of Imidazole Compounds on the ATPase Activity of Myosin during Heat Denaturation and in the Presence of Certain Reagents – I. M. Bocharnikova and E. V. Petushkova	99	119
Isolation, Partial Purification, and Some Properties of Choline Acetyltransferase from Rabbit Brain – S. E. Severin and V. Artenie	104	125

INDEX

	Engl.	Russ.
Effect of Penicillin and Certain Semisynthetic Penicillins on the Respiratory-Chain Enzymes of Staphylococcus aureus 209-P – L. I. Torbochkina and I. N. Navol'neva	111	133
Regulating Effect of Glucocorticosteroids and Insulin on the Glucokinase Activity in the Cytostructures of Adipose Tissue of the Rat Epididymis – K. G. Gromova	120	144
Action of X-rays on Acceptor Activity of Soluble RNA of Azotobacter – T. P. Miroshnichenko, G. N. Zaitseva, G. Kh. Matsuka, and G. I. Akhmedov	125	150
Effect of Chlorpromazine on Respiration and Oxidative Phosphorylation of the Mitochondria of the Cerebral Hemispheres of Rats – G. A. Dimitrov and A. A. Kolotilova	130	156
Isolation of the 11S Component of Soya Bean Protein and Determination of Its Amino Acid Composition by an Automatic Chromato-Polarographic Method – V. S. Shvarts and I. A. Vaintraub	135	162
Heterogeneity of Calf Thymus Histones by Electrophoresis in Polyacrylamide Gel – B. A. Rebentish and V. G. Debabov	141	169
Purification and Properties of α-L-Fucosidase from Hog Kidney – G. Ya. Vidershain and E. L. Rozenfel'd	145	173
Biosynthesis of Nicotinamide Mononucleotide in Heart Muscle – S. E. Severin, L. A. Tseitlin, and V. I. Telepneva	151	181
Physical and Chemical Properties and Enzyme Activity of Soluble Leaf Proteins – S. S. Melik-Sarkisyan, M. D. Kuznetsova, T. A. Avdeeva, and N. M. Sisakyan	157	189

Volume 32, Number 2, Part 1 March-April, 1967

Vatslav Leonovich Kretovich (on the Occasion of His 60th Birthday)	165	203
Hydrolysis of Seryl Pyrophosphates by Yeast Inorganic Pyrophosphatase –S. M. Avaeva, S. N. Kara-Murza, and M. M. Botvinik	167	205
Fatty-Acid Com iton of the Lipids of the Plague Bacterium–E. K. Alimova and E. A. Boikova	171	210
Determination of the Ionization Constants of the Functional Groups of the Active Center of Pepsin–N. G. Lutsenko, L. M. Ginodman, and V. N. Orekhovich	182	223
On the Mechanism of the Action of Antifungal Polyenic Antibiotics upon Alcohol Fermentation in Yeasts–A. N. Klimov and V. N. Litvinova	186	228
Participation of Acetol Phosphate in Photo-Phosphorylation in Pea Chloroplasts –A. A. Yasnikov, N. V. Volkova, B. N. Bernshtein, A. S. Okanenko, and T. A. Reingard	191	234
Isolation of Phosphomonoesterase Preparations Applicable to Studies of the Primary Structure of Nucleic Acids–N. M. Abrosimova-Amel'yanchik, V. D. Aksel'rod, and R. I. Tatarskaya	196	240
Free Amino Acids of the Fibroin and Sericin Portions of the Silk Gland of the Mulberry Silkworm– Yu. B. Filippovich and S. M. Klunova	202	248
Influence of Culturing Conditions on the Metabolism of Inorganic Polyphosphates and Certain other Phosphorus Compounds in Scenedesmus obliquus –I. S. Kulaev and V. M. Vagabov	207	253
Kinetics of the Hydrolysis of Sodium p-Nitro-Phenylphosphate by Alkaline Phosphatase –A. P. Brestkin, E. B. Nikol'skaya, and N. B. Karpenko	214	261
The Participation of ATP in the Motor Function of the Infusoria Tetrahymena pyriformis–S. A. Burnasheva and T. P. Karausheva	222	270
Identification of Divalent Iron Complexes with Cysteine in Biological Systems by the EPR Method–A. F. Vanin	228	277
Synthesis of a Substance of Adrenocorticotropic Nature Induced in a Cell-Free System of Escherichia coli by Messenger RNA from Bovine Adenohypophyses –I. N. Todorov, V. N. Vasil'chenko, G. A. Pankova, L. M. Nabutovskaya, A. A. Livshits, E.S. Manshelei, and E. S. Vasil'eva	233	283
Causes of the Effect of pH on Cholinesterase Activity–V. A. Yakovlev and R. S. Agabekyan	243	293
Interaction between Nucleic Acids, Histones, and other Proteins in Agarose –A. E. Gurvich, S. I. Gorodetskii, and E. V. Sidorova	251	302

UMI

Volume 32, Number 2, Part 2 March-April, 1967

Further Studies of Diols, Isolated from Lipids of Yeasts from the Genus Lipomyces — V. A. Vaver, N. V. Prokazova, A. N. Ushakov, L. S. Golovkina, and L. D. Bergel'son	257	310
Effect of Erythrocyte Age on Location of the Soret Band of Hemoglobin and on Methemoglobin and on Methemoglobin Formation — L. É. Gorn	263	318
The Nucleotide Composition of RNA from Human Leukocytes — M. N. Blinov	267	323
Acid-Soluble Compounds in Clostridium perfringens — I. P. Maiorova and V. A. Blagoveshchenskii	272	329
Glucogalactans from Sporobolomuces roseus — N. P. Elinov and G. A. Vitovskaya	279	337
Effect of Salts on Serum Cholinesterase Activity — T. A. Fruentova	283	341
Cleavage of the Dog Haptoglobin Molecule into Its Component Polypeptide Chains — V. D. Uspenskaya, M. V. Pleskova, and M. I. Nedelyaeva	288	347
Purification of Kininogen (Bradykininogen) from Rabbit's Blood Plasma and the Study of Its Properties — T. P. Egorova and T. S. Paskhina	294	354
Glutaminase and Isoglutaminase of Saccharomyces cerevisiae Meyen KMY 381 — A. Kh. Abdumalikov and V. V. Eremenko	302	363
Hydrolysis of Glucomannans by an Enzyme Preparation from Aspergillus oryzae — A. A. Kuznetsov and B. N. Stepanenko	306	368
Separation of Pyrimidine Desoxyribooligonucleotides by DEAE-Sephadex Chromatography — A. L. Mazin and B. F. Vanyushin	313	377
Mechanism of Function of Ubiquinone in Mitochondria — L. M. Raikhman and L. A. Blyumenfel'd	322	388
Preparation of Highly Purified Diamine Oxidase from Pig Kidneys — E. V. Goryachenkova, L. I. Shcherbatyuk, and E. A. Voronina	330	398
Study of γ-Irradiated Ribonuclease by the Method of Gel Filtration — V. I. Maksimov, V. I. Osipov, and E. D. Kaverzneva	334	403
Nature of Reduced Forms of Chlorophyll — A. P. Losev and G. P. Gurinovich	339	409
Phosphofructokinase Activity and Regulation of the Pasteur Effect during Early Embryogenesis — L. S. Mil'man and Yu. G. Yurovitskii	344	416

Volume 32, Number 3, Part 1 May-June, 1967

Mass Spectrometric Determination of the Amino Acid Sequence in Peptides and Proteins — Yu. A. Ovchinnikov, A. A. Kryushkin, E. I. Vinogradova, B. V. Rozynov, and M. M. Shemyakin	351	427
Acceptor Activity of Dextrin-4-Glycosyltransferase and Spectroscopic Studies of Its Preparations — A. N. Petrova and A. A. Kobzeva	360	439
Conversions of Labeled Acetic Acid in the Course of Its Uptake by Bean Leaves from the Atmosphere — N. G. Doman and M. M. Kydar	365	445
Nucleotide Composition of DNA Fractions of Bone Marrow in Normal and X-Irradiated Animals — G. A. Kritskii, I. A. Arends, and Yu. V. Nikolaev	372	452
Effect of Lecithin on the Activity of Certain Enzymes of Rabbit Muscle Myofibrils and Mitochondria — D. L. Ferdman, S. F. Épshtein, and O. L. Sanina	377	458
Analysis of Labeled Orotic Acid Metabolite Excretion as a Means of Studying the Metabolism of Nuclear Compounds — O. Ya. Tereschenko	380	462
Effect of Formaldehyde on Some Properties of Desoxyribonucleoprotein — Yu. A. Romakov and G. V. Bozhko	388	471
Isolation and Partial Characterization of Glutamate Decarboxylase from Various Strains of Escherichia coli — S. V. Likholetova	393	477
A Study of the Specificity of Hydrolytic Enzyme Formed by Bacillus mycoides HB — S. V. El'chits and M. M. Levitov	397	481

INDEX

	Engl.	Russ.
Isolation and Physicochemical Properties of Phosphorylase from Bovine Skeletal Muscles — A. D. Morozkin and V. N. Orekhovich	401	487
Detection of Polyphosphate Glucokinase in Various Microorganisms — O. Szymona, S. O. Uryson, and I. S. Kulaev	408	495
Gangliosides of the Brain during Stimulation of the Central Nervous System — Ya. A. Épshtein and A. M. Maksimova	416	504
Selective Inhibition of the Enzymatic Deamination of Serotonin by Harmine and Related Tricyclic Compounds — V. Z. Gorkin, L. V. Tat'yanenko, D. M. Krasnokutskaya, E. V. Pronina, and L. N. Yakhontov	421	510
Removal of Chloroplast Fragments from Preparations of Pea Seedling Mitochondria by Density Gradient Centrifugation — V. Ya. Kalacheva, B. É. Kirshteine, V. I. Biryuzova, L. I. Kostycheva, and N. M. Sisakyan	429	520
Cleavage of Depsipeptide Analogues of Bradykinin by Kininase (Carboxypeptidase N) from Human and Rabbit Serum — T. S. Paskhina and S. S. Trapeznikova	435	527
Some Characteristics of Fructose D-phosphatase from Loach Embryo — Yu. G. Yurovitskii and L. S. Mil'man	441	534

Volume 32, Number 3, Part 2 May-June, 1967

	Engl.	Russ.
Localization of Inorganic Polyphosphates and Nucleoside Polyphosphates in Cells of the Yeast Endomyces magnusii — I. S. Kulaev, T. P. Afanas'eva, and M. P. Belikova	445	539
Free Nucleotides and Their Derivatives in the Fat Body of the Oak Silkworm Larva Antheraea pernyi G* — G. A. Sevast'yanova and A. N. Smolin	452	548
Aspergillus niger Endopolyglycosidase Hydrolyzing Eremurus Glucomannans — A. A. Kuznetsov and B. N. Stepanenko	461	558
Glucose-6-Phosphate- and 6-Phosphogluconate Dehydrogenase Activity in Epididymal Adipose Tissue from Normal and Fasting Rats and Rats with Alloxan-Induced Diabetes — L. S. Uuskyula	467	564
Importance of the Simultaneous Presence of the Quaternary Nitrogen of the Thiazole Component and the Amino Group of the Pyrimidine Component of Thiamine for Binding of the Vitamin by the Tissues — Yu. M. Ostrovskii and G. A. Dosta	472	570
Chromatography of Ascorbic Acid Oxidase on Gel Columns — E. Porath, G. Samorodova-Bianki, and S. Hjerten	478	578
The Role of SH-Groups in Preserving the Catalytic and Structural Properties of Phosphorylase B and the Effect of Imidazole on the Enzyme Activity — P. L. Vul'fson and L. K. Skolysheva	481	582
The C-Terminal Sequence of Hog Pepsinogen — V. M. Stepanov and E. A. Timokhina	487	590
Influence of Imidazole-Containing Compounds on the Activity of Myosin Adenosine Triphosphatase — N. P. Meshkova and N. N. Tsvetkova	491	595
Influence of Imidazole and Carnosine on the Working Capacity of a Tetanic Muscle during Direct Stimulation — A. A. Boldyrev and A. V. Lebedev	495	600
Catalytic Functions of Peroxidase — T. M. Ivanova, M. A. Davydova, and B. A. Rubin	501	607
Study of the Biosynthesis of Anserine and Carnosine in the Pectoral Muscle of the Chicken — O. V. Dobrynina	505	612
The Effect of Salts and Certain Other Factors on Lysozyme Activity — N. A. Kravchenko, K. A. Kagramanova, and Yu. D. Kuznetzov	510	618
Inactivation of Glyceraldehyde-3-Phosphate Dehydrogenase — N. K. Nagradova and A. É. Lisauskaite	514	624
Regulation of the Biosynthesis of Purine Nucleic-Acid Nucleotides in Plague Bacteria — M. L. Bekker	518	629
Interaction of Histones with Phosphoproteins and Certain Other Phosphorus-Containing Compounds — I. P. Ashmarin and A. I. Komkova	526	640
Biosynthesis and Breakdown of N-Acetylneuraminic Acid in Rat Liver under Certain Pathologic Conditions — I. V. Tsvetkova and M. G. Uzbekov	532	646

UMI

	Engl.	Russ.
The Concentration of Muscle Hemoglobin in the Muscles of Marine Mammals — P. A. Korzhuev and T. N. Glazova	536	651
The C-Terminal Sequence of Amino Acids in Histidine Decarboxylase of Lactobacillus 30a and Micrococcus Sp. N. — S. R. Mardashev, M. Z. Zalesskii, S. I. Pekhtereva, and L. A. Semina	539	655

Volume 32, Number 4, Part 1 July-August, 1967

Investigation of the Initial Stages of Aggregation of Virus Particles and Bacterial Flagella — E. M. Belavtseva, G. A. Alimov, and B. F. Poglazov	547	667
Nucleic Acid Content in Small Samples and Individual Cells of the Spinal Cord in Various Functional States — S. Kh. Khaidarliu	555	677
Qualitative Analysis of Brain Phospholipid Fractions by Infrared Spectroscopy — V. Ya. Dvorkin, R. T. Molchanova, and D. A. Chetverikov	561	683
An Improved Method for the Electrophoresis of Proteins in Acrylamide Gel — Yu. Ya. Gofman	567	690
Primary Stages in Entry of Orthophosphate from the Medium into Mycelia of Penicillium chrysogenum — I. S. Kulaev and L. A. Okorokov	571	695
Effect of Penicillin on the Composition of Amino Sugars in the Acid-Soluble and Muco-peptide Fractions of Bacillus subtilis — L. I. Torbochkina and I. N. Navol'neva	579	705
Dependence of Hyperchromic Value on Mode of Denaturation of Phage DNA — N. M. Shalina, I. I. Nikol'skaya, and T. I. Tikhonenko	584	711
Studies on the Self-Assembly of Phage T2 Head — B. F. Poglazov, V. V. Kesyanzhinov, and G. I. Kosourov	588	716
Effect of the Combined Action of Catalase and Cytochrome c on Phosphorylation in the Liver Mitochondria of Albino Rats — S. E. Manoilov, N. D. Sidorova, L. D. Chelyadina, A. V. Granikova, and M. L. Granovskaya	596	722
Electron Transport Pathways in Thiobacillus ferrooxidans — G. V. Tikhonova, L. L. Lisenkova, N. G. Doman, and V. P. Skulachev	599	725
Ion-Exchange Adsorption of Radioactive Acylhydroxamates on Paper as a Method of Determining Aminoacyl-tRNA-Synthetase Activity — A. V. Parin, M. K. Kukhanova, and L. L. Kiselev	607	735
Enzymic Mechanism of Microbiological Dehydrogenation and Reduction of the Steroid A Ring — N. N. Lestrovaya, M. I. Bukhar, and G. K. Skryabin	612	741
Participation of Serine and Histidine in the Formation of Purine Bases of Nucleotides and Nucleic Acids of a Heptatoma — A. N. Parshin, M. N. Ostroumova, and T. A. Goryukhina	616	746
The Effect of Some Polyamino Acids and Amino Acids on Reactions Catalyzed by Polynucleotide Phosphorylase — S. R. Mardashev, L. B. Rebrov, and S. S. Debov	620	751
The N-Thermal Amino Acid Sequence in Histidine Decarboxylase — S. R. Mardashev, L. A. Semina, V. N. Prozorovskii, and A. M. Sokhina	628	761
The Dynamics of the Free Amino Acids in the Tissues of the Chinese Silkworm during Its Development — L. I. Shchegoleva and Yu. B. Filippovich	632	766

Volume 32, Number 4, Part 2 July-August, 1967

Enzymatic Degradation of Desoxyribonucleoprotein, Isolated from Tissues of the Normal Animal and after Gamma-Irradiation—N. V. Ermolaeva	639	774
Manganese in Combination with Galactolipids of Leaves—T. M. Udel'nova and E. A. Boichenko	644	779
Effect of Substrates on Heat Inactivation of NADH-Oxidase and Its Fragments—V. N. Luzikov, M. M. Rakhimov, and I. V. Berezin	650	786
Structure of the Glycerol Teichoic Acid of the Cell Wall of Actinomyces antibioticus —M. Sh. Zaretskaya, I. B. Naumova, and Z. A. Shabarova	659	796

INDEX

	Engl.	Russ.
Fractionation of 3-Methyl-2-Thiohydantoins of Amino Acids by Chromatography on Sulfonated Polystyrene Resins—V. M. Stepanov and S. P. Katrukha	665	803
Hexokinase from the Soluble Fraction and Mitochondria of Intact and Denervated Muscles in the Adult Rabbit and the Rabbit Embryo—V. S. Il'in, V. M. Pleskov, and N. I. Razumovskaya	668	807
Biosynthesis of the Pyridine and Pyrrolidine Rings of Nicotine—M. Ya. Lovkova and G. S. Il'in	672	812
Proteinase Action on the Membranes of Micrococcus lysodeikticus Bacteria—M. A. Lukoyanova, V. I. Biryuzova, I. M. Simakova, and N. S. Gel'man	676	816
Solubilization of Enzymes from Lysosomes and the Sarcoplasmic Reticulum of the Rat's Heart—A. A. Pokrovskii, A. I. Archakov, and O. N. Lyubimtseva	685	824
Decomposition of Prothrombin by Thrombin—S. M. Strukova, I. P. Baskova, and B. A. Kudryashov	689	829
Investigation of the Aggregation Mechanism of γ-Irradiated Lysosyme by the Turbidimetric Method—V. I. Maksimov	694	835
On the Substrate Specificity of Mitochondrial Monoaminoxidase of Rat Liver and Binding of the Enzyme with Substrates in an Enzyme-Substrate Complex—I. S. Severina and T. N. Sheremet'evskaya	700	843
Preparation and Properties of Rat-Liver NAD-Kinase—V. L. Nemchinskaya and T. B. Smirnova	708	854
Separation and Purification of Glutaminase, Asparaginase, and Isoglutamine Desamidase from Yeasts—A. Kh. Abdumalikov and A. Ya. Nikolaev	713	859
Synthesis of Pyrimidine Dinucleotides in the Presence of Pancreatic Ribonuclease—N. S. Tikhomirova-Sidorova, G. E. Ustyuzhanin, and É. M. Kogan	720	867
BRIEF COMMUNICATIONS		
Induced Synthesis of Asparaginase and Glutaminase by Pseudomonas sp.—L. P. Evseev, A. Ya. Nikolaev, V. V. Eremenko, and S. R. Mardashev	725	873
BOOK REVIEWS		
L. Webb. Enzyme and Metabolic Inhibitors—Reviewed by V. I. Rozengart and E. V. Rozengart	728	876

Volume 32, Number 5, Part 1 September-October, 1967

Domestic Biochemistry in the Fifty Years of Soviet Power	731	883
Selective Inhibition of Aspartate Aminotransferase by Analogs of Glutamic Acid—R. M. Khomutov, G. K. Kovaleva, E. S. Severin, and L. V. Vdovina	745	900
Common Properties of Ceruloplasmin of Monkey and Man—A. M. Shaposhnikov, G. V. Mukha, and E. P. Zdrodovskaya	752	908
Uptake of Orthophosphate by an Adenine-Deficient Mutant, Neurospora crassa 286-10 Hsa—I. S. Kulaev and V. I. Mel'gunov	757	913
Intermediate Stages in the Anaerobic Cleavage of Carbohydrates in Human Thrombocytes—N. B. Chernyak and L. M. Timofeeva	768	926
Factors Affecting the State of the Thiazole Ring as a Catalytic Center in the Thiamine Diphosphate Molecule—Yu. M. Ostrovskii	774	933
The Participation of "Reserve" Tissue Proteins in the Mechanism of Synthesis of Specific Proteins in Animal Organs—I. I. Ivanov, V. V. Rudakov, I. A. Baryshnikov, and A. G. Taranenko	783	943
Fatty Acid Synthesis in Rabbit Myocardial Tissue—M. D. Grozdova	791	952
Heterogeneity of Histones in Dormant Wheat Germs and in Seedlings—L. V. Gofshtein	797	959
Isolation of Glycopeptides from Tryptic Hydrolyzates of Egg Albumin—E. D. Kaverzneva, F. V. Shmakova, and A. P. Andreeva	802	964
Effect of Sodium Ions on the Activity of Acetylcholinesterase of Erythrocytes—L. A. Ivanova	810	975

UMI

Engl./Russ.

Relative Efficiency of Two Chloroplast Pigment Systems during Photosynthetic Phosphorylation in the Presence of Certain Cofactors—V. S. Korshunova, T. E. Krendeleva, and A. B. Rubin 814 980

Nucleotide Composition of DNA and RNA from Somatic Tissues of Pink Salmon (Oncorhynchus gorbuscha) and Its Variation during Spawning—G. D. Berdyshev, G. K. Korotaev, G. V. Boyarskikh, and B. F. Vanyashin 820 988

Volume 32, Number 5, Part 2 September-October, 1967

Neuraminic Acid as a Cellular Receptor for Influenza Virus—I. V. Tsvetkova, M. A. Lipkind, L. Ya. Zakstel'skaya, N. A. Yusipova, and E. L. Rozenfel'd 825 994

Chlorophyl-Sensitized Photooxidation of Hydroxy and Amino Acids—M. S. Ashkinazi and I. A. Dolidze 830 1000

Effect of pH and Ionic Force on the Reaction Rate of Organophosphorus Compounds with Serum-Derived Cholinesterase—A. P. Brestkin and I. L. Brik 833 1004

Inactivation of Pepsin with Aliphatic Diazocarbonyl Compounds—L. V. Kozlov, L. M. Ginodman, and V. N. Orekhovich 839 1011

Some Data on the Biosynthesis of Essential Oil in Isolated Rose Petals—V. A. Paseshnichenko and A. R. Guseva 847 1020

Diol Lipids. Dihydric Alcohols in the Phospholipids of Mammalian Tissues—V. A. Vaver, V. A. Shchennikov, and L. D. Bergel'son 853 1027

Heat Inactivation of Succinate-Oxidase and Its Components—V. N. Luzikov, M. M. Rakhimov, V. A. Saks, and I. V. Berezin 857 1032

Selective Inhibition of the Enzymatic Deamination of Serotonin by α-Substituted Tryptamine Derivatives—V. Z. Gorkin, L. V. Tat'yanenko, N. N. Suvorov, and A. D. Neklyudov . . 860 1036

Comparative Study of Ribosomes of Chloroplasts and Cytoplasm of Certain Plant Species —M. S. Odintsova, V. I. Bruskov, and E. V. Golubeva 867 1047

Transamination of Indolylpyruvic Acid in Cell Extracts on the Fodder Yeast Candida utilis Strain B-1—I. I. Kareva, Z. S. Kagan, and V. L. Kretovich 879 1060

Methylated tRNA, Its Physicochemical Properties and Acceptor Function —R. A. Zakharyan, T. V. Venkstern, and A. A. Baev 885 1068

Further Study of Self-Assembly of Tail Sheaths of Phage T2—B. F. Poglazov and T. I. Nikol'shaya 894 1079

Phosphorylated Derivatives of Iminazole and Histidine—S. E. Severin, E. I. Koroleva, and R. A. Zavalishina 900 1085

Induction of Asparaginase and Glutaminase Activities in Pseudomonas sp. by Aspartic and Glutamic Acids—S. R. Mardashev, A. Ya. Nikolaev, L. P. Evseev, and V. V. Eremenko 906 1093

Homopolymerase Properties of RNA-Polymerase from M-1 Sarcoma—G. V. Rubtsova, L. V. Avdeeva, I. I. Votrin, and S. S. Debov 911 1099

Volume 32, Number 6, Part 1 November-December, 1967

Effect of n-Propylgallate and Cysteine on the Quarternary Structure of D-Glyceraldehyde-3-Phosphate Dehydrogenase from Rabbit Muscle—A. I. Agatova 915 1107

Rate of Renewal of Stored Thiamine and the Transketolase Activity in Tissues under Conditions of Various Rates of Vitamin Supply to the Organism—Yu. M. Ostrovskii and B. I. Gorenshtein 922 1115

Hydrolysis of Casein and Some of Its Components by Proteinases of the Gastro-Intestinal Tract—M. P. Chernikov, G. V. Nikol'skaya, and E. Ya. Stan 927 1122

Binding of Potassium and Sodium by Phospholipids of Normal Tissues and Tumors —L. D. Bergel'son, E. V. Dyatlovitskaya, and E. D. Krasovskii 932 1128

Nucleic Acid Content in Yeast Cells and Ploidy Determination—E. N. Sokurova 936 1134

Engl./Russ.

Incorporation of C^{14}-Alanine into Nuclear Proteins of Cells from Regenerating Livers of Irradiated and Unirradiated Rats—V. D. Blokhina, E. F. Romantsev, and L. F. Romanova 944 1145
Influence of Biogenic Aminothiol Compounds on the Enzymatic Synthesis of Polyribonucleotides Catalyzed by Polynucleotide-Phosphorylase—N. V. Bogoyavlenskaya, M. A. Guberniev, and T. G. Shorosheva 947 1149
Quantitative Determination of Phospholipids in Rat Myocardium by Thin-Layer Silica-Gel Chromatography—I. A. Shabanova 952 1155
Immunochemical Characteristics of Two Geographic Varieties of Pasteurella tularensis —I. V. Rodionova and G. K. Shipintsina 958 1161
Use of Low-Molecular Fragments of Chitin for Characterizing the Activity of γ-Irradiated Lysozyme—V. I. Maksimov, V. I. Osipov, and E. D. Kaverzneva 964 1169
Protein (Pepsin) Decarboxylation and Mass-Spectrometric Analysis of the Resultant CO_2 —L. S. Shkarenkova, L. M. Ginodman, L. V. Kozlov, and V. N. Orekhovich 969 1175
Purification and Investigation of Some Properties of α-Glucosidase from Rabbit Muscle —N. F. Pisarenko 973 1181
Heterogeneity of Crystalline α-Amylase from Aspergillus oryzae—A. S. Tsyperovich and I. P. Galich 977 1186

Volume 32, Number 6, Part 2 November-December, 1967

Precipitation with Chloroform as a Technique for Investigating the Denaturation and Degradation of DNA—V. N. Lytsov, Yu. Sh. Moshkovskii, and I. A. Tubasova. . . . 985 1195
Splitting of Glycogen and Maltose by Rabbit Liver γ-Amylase in the Presence of Various Sugars and Their Derivatives—D. M. Belen'kii and E. L. Rozenfel'd 990 1201
Separate Determination of Vitamin A-Aldehyde and Vitamin A-Acid—A. A. Dmitrovskii and G. V. Eremina 997 1209
Composition of Fraction B of Soybean Globulins—A. D. Shutov and I. A. Vaintraub. 1006 1220
Comparison of the Molecular Species of Phosphatidyl Ethanolamines and Phosphatidyl Cholines—E. V. Dyatlovitskaya, V. I. Volkova, and L. D. Bergel'son. 1011 1227
Protective Action of Substrates during Inactivation of NAD·H_2-Oxidase and Succinate Oxidase by Cobra Venom and Trypsin—V. N. Luzikov, M. M. Rakhimov, V. A. Saks, and I. V. Berezin. 1017 1234
Kinetic Study of the Transamination of the Ketoanalogs of Valine and Isoleucine with Glutamic Acid in Aspergillus niger—Z. S. Kagan and T. V. Doronina 1023 1242
Action of Gramicidin S on Photophosphorylation in Virus-Infected Tobacco Plants —M. E. Ladygina, M. I. Tukeeva, and B. A. Rubin 1028 1248
Kinetics of the Enzymatic Hydrolysis of Phenyl Acetate—R. I. Volkova. 1032 1253
Free Nucleotides and Their Derivatives in the Silkgland of Antheraea pernyi G. Larvae —G. A. Sevastyanova 1038 1260
Inhibition of the Oxidation of Succinic Acid by Oxaloacetate—A. D. Vinogradov. 1046 1271
Effect of Enzymatic Degradation of Deoxyribonucleoproteins in Vitro on Their Interaction with Heparin—N. V. Ermolaeva, M. Skalka, and I. Matyashova. 1052 1278

CHRONICLES
Fourth Conference of the Federation of European Biochemical Societies (July 3-7, 1967, Oslo, Norway)—Z. S. Kagan. 1058 1285

INDEX
Author Index, Numbers 1-6, 1967 1065
Tables of Contents, Numbers 1-6, 1967 1069

INDEX

UMI